BRUHAT BENGALURU MAHANAGARA PALIKE

MODIFIED ESTIMATE

Name of work:Additional Developmental Works to Telgu School in Chowdeshwari Ward no-02.

Job No :002-21-000012

Administrative Sanction No :

Technical Sanction No :

Work Order No : BBMP/EE/YNK/ DEPMT-10 WO/2021-22

Name Of Agency :B B UMESHA M/S SMLP ASPHALTS

Aggrement No : BBMP/EE/YNK.DEPMT/AG /2021-22

Sl no.	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
1	Providing and fixing for flooring 20mm thick sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grovesin joints including cost of including cost of all materials, mortar, labour, curing etc., complete as per specification.do - minimum width of 1200mm (gang saw water cut)								
	Ground Floor Granite								
	Room no 1 and 1'	1	6.8	4.18		28.42	Sqm		
		1	4	6.8		27.20	Sqm		
	Skirting	2	6.8	0.1		1.36	Sqm		
		2	4.18	0.1		0.84	Sqm		
		2	4	0.1		0.80	Sqm		
		2	6.8	0.1		1.36	Sqm		
	Deduction Doors	-1	1.2	0.1		-0.12	Sqm		
		-2	0.8	0.1		-0.16	Sqm		
	Door Offset	1	1.2	0.2		0.24	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
		1	0.8	0.25		0.20	Sqm		
	Room NO 2								
	Flooring	1	4	6.8		27.20	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4	0.1		0.80	Sqm		
		2	6.8	0.1		1.36	Sqm		
	Room NO 3								
	Flooring	1	4.18	6.8		28.42	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.18	0.1		0.84	Sqm		
		2	6.8	0.1		1.36	Sqm		
	Room NO 4					0.00	Sqm		
	Flooring	1	4.18	6.8		28.42	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.18	0.1		0.84	Sqm		
		2	6.8	0.1		1.36	Sqm		
	Room NO 5					0.00	Sqm		
	Flooring	1	4.1	6.8		27.88	Sqm		

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.1	0.1		0.82	Sqm		
		2	6.8	0.1		1.36	Sqm		
	Passage					0.00	Sqm		
	Flooring	1	27.9	1.55		43.25	Sqm		
	Door Offset	6	0.9	0.1		0.54	Sqm		
	Deduction Doors	-6	0.9	0.1		-0.54	Sqm		
	Skirting	1	27.9	0.1		2.79	Sqm		
	Deduction	-6	0.9	0.1		-0.54	Sqm		
	Door Offset	6	2	0.1		1.20	Sqm		
	Columns	7	0.9	0.1		0.63	Sqm		
		1	0.6	0.1		0.06	Sqm		
	Deductions	-7	0.3	0.3		-0.63	Sqm		
	Passage	1	6.1	2		12.20	Sqm		
	Staircase	-1	2.08	0.8		-1.66	Sqm		
	Skirting	1	2.25	0.1		0.23	Sqm		
		1	2	0.1		0.20	Sqm		
		1	6.1	0.8		4.88	Sqm		
		1	3.7	0.8		2.96	Sqm		
					Total	246.81	Sqm	2235.59	551757.03
2	Providing and fixing for flooring 20mm thick sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of including cost of all materials, mortar, labour, curing etc., complete as per specification.do - minimum width of 1200mm (gang saw water cut) FIRST FLOOR								
	FIRST FLOOR								
	Room NO 1								
	Flooring	1	4.18	6.8		28.42	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.18	0.1		0.84	Sqm		
	Skirting	2	6.8	0.1		1.36	Sqm		
	Room NO 2								
	Flooring	1	4.2	6.8		28.56	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.2	0.1		0.84	Sqm		
	Skirting	2	6.8	0.1		1.36	Sqm		
	columns	4	0.1	0.1		0.04	Sqm		
	Room NO 3								
	Flooring	1	4.2	6.8		28.56	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.2	0.1		0.84	Sqm		
	Skirting	2	6.8	0.1		1.36	Sqm		
	columns	4	0.1	0.1		0.04	Sqm		
	Room NO 4								
	Flooring	1	4.1	6.8		27.88	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.1	0.1		0.82	Sqm		
	Skirting	2	6.8	0.1		1.36	Sqm		
	columns	4	0.1	0.1		0.04	Sqm		
	Room NO 5								
	Flooring	1	4.26	6.8		28.97	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.26	0.1		0.85	Sqm		
	Skirting	2	6.8	0.1		1.36	Sqm		
	columns	4	0.1	0.1		0.04	Sqm		
	Room NO 6								
	Flooring	1	4.05	6.8		27.54	Sqm		
	Deduction Doors	-1	0.9	0.1		-0.09	Sqm		
	Door Offset	1	0.9	0.2		0.18	Sqm		
	Skirting	2	4.05	0.1		0.81	Sqm		
	Skirting	2	6.8	0.1		1.36	Sqm		
	columns	4	0.1	0.1		0.04	Sqm		
	Passage								
	Flooring	1	27.9	1.55		43.25	Sqm		
	Skirting	2	27.9	0.1		5.58	Sqm		
	Deduction Doors	-6	0.9	0.21		-1.13	Sqm		
	Columns	8	2	0.1		1.60	Sqm		
	Passage	1	8.6	0.83		7.14	Sqm		
	Skirting	2	8.6	0.1		1.72	Sqm		
	Skirting	1	1.55	0.1		0.16	Sqm		
		2	0.83	0.1		0.17	Sqm		
		-1	1.55	0.1		-0.16	Sqm		
	Staircase passage	1	0.82	1.8		1.48	Sqm		
		1	1.9	0.93		1.77	Sqm		
	Skirting	1	3.8	0.1		0.38	Sqm		
	Skirting	1	0.82	0.1		0.08	Sqm		
	Passage	1	3.2	5.55		17.76	Sqm		
					Total	**263.61**	**Sqm**	**2235.59**	**589323.88**
3	Providing and fixing for flooring 20mm thick sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of including cost of all materials, mortar, labour,curing etc., complete as per specification.do - minimum width of 1200mm (gang saw water cut) SECOND FLOOR								
	SECOND FLOOR								
	Hall 1 Flooring	1	12.81	5.8		74.30	Sqm		
	Skirting	2	12.8	0.1		2.56	Sqm		
		2	5.8	0.1		1.16	Sqm		
	Column	8	0.28	0.1		0.22	Sqm		
	Door offset	1	1.2	0.25		0.30	Sqm		
	Deduction Doors	-1	1.2	0.1		-0.12	Sqm		
		-1	1.2	0.1		-0.12	Sqm		
	Door Offset	1	1.2	0.25		0.30	Sqm		
	Hall 2 Flooring	1	12.7	5.8		73.66	Sqm		
	Skirting	2	12.7	0.1		2.54	Sqm		

Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
		L	B	D				
	2	5.8	0.1		1.16	Sqm		
Deduction Doors	-1	1.2	0.1		-0.12	Sqm		
Door Offset	1	1.2	0.25		0.30	Sqm		
Column	-4	0.3	0.25		-0.30	Sqm		
Passage								
Flooring	1	27.9	1.55		43.25	Sqm		
Skirting	2	27.9	0.1		5.58	Sqm		
Deduction Doors	-6	0.9	0.21		-1.13	Sqm		
Columns	8	2	0.1		1.60	Sqm		
Passage	1	8.6	0.83		7.14	Sqm		
Skirting	2	8.6	0.1		1.72	Sqm		
Skirting	1	1.55	0.1		0.16	Sqm		
	2	0.83	0.1		0.17	Sqm		
	-1	1.55	0.1		-0.16	Sqm		
Staircase passage	1	0.82	1.8		1.48	Sqm		
	1	1.9	0.93		1.77	Sqm		
Skirting	1	3.8	0.1		0.38	Sqm		
Skirting	1	0.82	0.1		0.08	Sqm		
STAIRCASE 1ST FLIGHT					0.00	Sqm		
Tread	13	0.3	0.84		3.28	Sqm		
Riser	13	0.84	0.15		1.64	Sqm		
2nd FLIGHT								
Tread	5	0.3	0.9		1.35	Sqm		
Riser	5	0.9	0.15		0.68	Sqm		
Landing	1	2	1		2.00	Sqm		
Skirting	1	2	0.1		0.20	Sqm		
	2	1	0.1		0.20	Sqm		
3rd FLIGHT								
Tread	13	0.3	0.84		3.28	Sqm		
Riser	13	0.84	0.15		1.64	Sqm		
Landing	1	0.9	0.65		0.59	Sqm		
Landing	1	0.9	0.15		0.14	Sqm		
4th FLIGHT								
Tread	6	0.3	0.93		1.67	Sqm		
Riser	7	0.93	0.15		0.98	Sqm		
Landing	1	2.3	1		2.30	Sqm		
Skirting	1	2.3	0.1		0.23	Sqm		
	2	1.12	0.1		0.22	Sqm		
5th FLIGHT								
Tread	12	0.3	0.83		2.99	Sqm		
Riser	13	0.83	0.15		1.62	Sqm		
Landing	1	0.9	0.65		0.59	Sqm		
Landing	1	0.9	0.1		0.09	Sqm		
6th FLIGHT								
Tread	5	0.3	0.9		1.35	Sqm		
Riser	5	0.9	0.15		0.68	Sqm		
Landing	1	2.3	1.12		2.58	Sqm		
Skirting	1	2.3	0.1		0.23	Sqm		
	2	1.12	0.1		0.22	Sqm		
Passage	1	3	4		12.00	Sqm		
				Total	**260.58**	**Sqm**	**2235.59**	**582541.10**

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
4	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling Brick / Tile work. A. In lime mortar.MORTH Specification No. 202 KSRRB M200-14.2. –do– Dismantling brick/Tile work B. In cement mortar.								
	Building								
		2	3.8	0.2	2.9	4.41	Cum		
		2	5.1	0.2	2.9	5.92	Cum		
					Total	**10.32**	**Cum**	**1732.01**	**17881.27**
5	KSRB 2.2.6 : Excavation for foundation of buildings, water supply & sanitary lines & electrical conduits etc., either in pits or in trenches 1.50m & above in width in hard rock by chiselling and / or wedging where blasting is prohibited, not excluding 1.50m in depth including stacking the excavated stuff clear from edges of excavation with lead upto 50m including cost of labour, HOM complete as per specifications								
	Footings earthwork								
	C1	1	2.50	1.50	1.80	6.75	Cum		
	C2	8	1.80	1.80	1.80	46.66	Cum		
	For Sump								
		1	3.7	3.7	1.80	24.64	Cum		
	SSM								
	Between A1B1,A2B2,A3C3	3	4	0.75	0.70	6.30	Cum		
	Between B1C1,B2C2,B3C3	3	4	0.75	0.70	6.30	Cum		
	BetweenC1C2,B1B2,A1A2	3	4	0.75	0.70	6.30	Cum		
	BetweenC2C3,B2B3,A2A3	3	4	0.75	0.70	6.30	Cum		
	Compound wall	1	10	0.75	0.70	5.25	Cum		
					Total Quantity	**108.50**	**Cum**		
					Qty up to 100% of BOQ	**91.04**	**Cum**	**489.41**	**44555.89**
					Qty B/N 100 to 125% of BOQ	**17.46**	**Cum**	**489.41**	**8544.12**
6	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete								
	Footings soling								
	C1	1	2.50	1.50	0.15	0.56	Cum		
	C2	8	1.80	1.80	0.15	3.89	Cum		
					Total Quantity	**4.45**	**Cum**		
					Qty up to 100% of BOQ	**3.04**	**Cum**	**2647.61**	**8048.73**
					Qty B/N 100 to 125% of BOQ	**0.76**	**Cum**	**2647.61**	**2012.18**
					Qty above 125% of BOQ	**0.65**	**Cum**	**2657.69**	**1727.50**
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Footing								
	C1	1	2.60	1.60	0.15	0.62	Cum		
	C2	8	1.90	1.90	0.15	4.33	Cum		
	For Sump								
		1	3.7	3.7	0.15	2.05	Cum		
	SSM PCC								
	Between A1B1,A2B2,A3C3	3	4	0.75	0.15	1.35	Cum		
	Between B1C1,B2C2,B3C3	3	4	0.75	0.15	1.35	Cum		
	BetweenC1C2,B1B2,A1A2	3	4	0.75	0.15	1.35	Cum		
	BetweenC2C3,B2B3,A2A3	3	4	0.75	0.15	1.35	Cum		
	Compound wall	1	10	0.75	0.15	1.13	Cum		
	Building area	1	7.4	7.3	0.15	8.11	Cum		
					Total Quantity	**21.64**	**Cum**		
					Qty up to 100% of BOQ	**13.23**	**Cum**	**5561.18**	**73574.41**
					Qty B/N 100 to 125% of BOQ	**3.30**	**Cum**	**5561.18**	**18351.89**
					Qty above 125% of BOQ	**5.11**	**Cum**	**5582.34**	**28550.89**
8	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	SSM COURSE Below GL								
	Between A1B1,A2B2,A3C3	3	3.175	0.60	0.15	0.86	Cum		
	Between B1C1,B2C2,B3C3	3	3.175	0.60	0.15	0.86	Cum		
	BetweenC1C2,B1B2,A1A2	3	2.775	0.60	0.15	0.75	Cum		
	BetweenC2C3,B2B3,A2A3	3	3.63	0.60	0.15	0.98	Cum		
	Compound wall	1	10	0.60	0.15	0.90	Cum		
					Total quantity	**4.34**	**Cum**	**5807.52**	**25204.64**
9	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 page No 23 item No 5.6								
	SSM COURSE Below GL								
	Between A1B1,A2B2,A3C3	3	3.175	0.60	0.70	4.00	Cum		
	Between B1C1,B2C2,B3C3	3	3.175	0.60	0.70	4.00	Cum		
	BetweenC1C2,B1B2,A1A2	3	2.775	0.60	0.70	3.50	Cum		
	BetweenC2C3,B2B3,A2A3	3	3.63	0.60	0.70	4.57	Cum		
	Compound wall	1	10	0.60	0.70	4.20	Cum		
					Total quantity	**20.27**	**Cum**	**5009.64**	**101545.40**

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
10	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 page No 23 item No 5.6								
	SSM COURSE above GL								
		1	2	0.60	0.45	0.54			
		1	0.7	0.60	0.45	0.19			
		2	1.5	0.60	0.15	0.27			
		2	1.5	0.90	0.15	0.41			
		2	1.5	0.30	0.15	0.14			
	Compound wall	1	10.2	0.60	0.45	2.75			
	Deduction	-1	4	0.60	0.45	-1.08			
					Total quantity	**3.21**	Cum	**6545.45**	**21030.53**
11	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9								
	Filling in Foundations								
	Excavated earth Quantity	From SL No 5				92.10			
	Footings					-7.08			
	pcc for footings					-11.86			
	SSM					-28.24			
					Total Quantity	**44.92**	**Cum**		
					Qty up to 100% of BOQ	**17.83**	**Cum**	**219.09**	**3906.37**
					Qty B/N 100 to 125% of BOQ	**4.46**	**Cum**	**219.09**	**976.59**
					Qty above 125% of BOQ	**22.63**	**Cum**	**219.92**	**4977.42**
12	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 133,Item No17.4								
	Earth Work Excavation					92.1			
	Filling In Foundations					-44.92			
					Total quantity	**47.18**	**Cum**	**179.85**	**8485.32**
13	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	Footings centrings								
	C1	1	2	2.00	0.35	1.40			
	"	1	2	2.00	0.35	1.40			
	C2	8	2	1.60	0.30	7.68			
	"	8	2	1.60	0.30	7.68			
	Centrings for Sump mat	1	2	3.70	0.15	1.11			

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	"	1	2	3.70	0.15	1.11			
	Column UP TO PLINTH								
	C1	1	2	0.30	1.95	1.17			
	"	1	2	0.45	1.95	1.76			
	C2	8	2	0.30	1.95	9.36			
	"	8	2	0.45	1.95	14.04			
	Sump Walls								
		2	2	3.70	1.80	26.64			
		2	2	3.40	1.80	24.48			
					Total quantity	**97.83**	**Sqm**		
					Qty up to 100% of BOQ	**72.24**	**Sqm**	**281.22**	**20315.33**
					Qty B/N 100 to 125% of BOQ	**18.06**	**Sqm**	**281.22**	**5078.83**
					Qty above 125% of BOQ	**7.53**	**Sqm**	**282.29**	**2124.23**
14	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	Plinthbem								
	Grid A1C1,A3C3 Outer wall	2	7.7		0.45	6.93			
	Grid A1C1,A3C4 inner wall	8	3.025		0.45	10.89			
	Grid C1C3A1A3 Outer wall	2	7.3		0.45	6.57			
	C1C2,B1B2,A1A2 Inner wall	4	2.775		0.45	5.00			
	C2C3,B2B3,A2A3 Inner wall	4	3.63		0.45	6.53			
					Total quantity	**35.92**	**Sqm**	**390.22**	**14016.31**
15	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	Column UP TO ROOF TOP								
	C1	1	2	0.30	2.55	1.53			
	"	1	2	0.45	2.55	2.30			
	C2	8	2	0.30	2.55	12.24			
	"	8	2	0.45	2.55	18.36			
					Total quantity	**34.43**	**Sqm**	**497.04**	**17110.60**
16	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	Through Lintel								
	Long Wall	3x2	7.4		0.15	6.66			
	Short wall	2x2	5.7		0.15	3.42			
	Toilet wall	3x2	5.2		0.15	4.68			
	Toilet wall cut lintel	12x2	0.9		0.15	3.24			
	Beams								

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Longer Span	2	7.4		0.45	6.66			
	Longer Span	4	7.4		0.3	8.88			
	Shorter Span	2	6.605		0.45	5.94			
	Shorter Span	4	6.605		0.3	7.93			
					Total quantity	**47.41**	**Sqm**		
					Qty up to 100% of BOQ	**36.60**	Sqm	**439.27**	**16077.28**
					Qty B/N 100 to 125% of BOQ	**9.15**	Sqm	**439.27**	**4019.32**
					Qty above 125% of BOQ	**1.66**	Sqm	**498.93**	**828.48**
17	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting,propping & removal of form work etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	Roof slab								
	Long Wall	2	7.4		0.15	2.22			
	Short wall	2	6.605		0.15	1.98			
					Total quantity	**4.20**	**Sqm**	**479.60**	**2015.04**
18	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings,balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications for heights more than 3.50m from ground level. Specifications No. KBS 4.6.2 - do - 0 to 5 mts								
	Sump Cover Slab								
		1	3.7	3.70		13.69			
	Roof slab	1	7.4	7.3		54.02			
					Total quantity	**67.71**	**Sqm**	**822.95**	**55721.94**
19	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.Specification No. KBS 4.1, 4.6								
	Footings Concrete								
	C1	1	2.00	2.00	0.35	1.40			
	C2	8	1.60	1.60	0.30	6.14			
	Concrete for Sump Bottom slab								
		1	3.70	3.70	0.15	2.05			
	ColumnS UP TO PLINTH								
	C1	1	0.3	0.45	1.60	0.22			
	C2	8	0.3	0.45	1.65	1.78			
	Concrete for Sump Walls								
		2	3.70	0.15	1.80	2.00			
		2	3.40	0.15	1.80	1.84			
	Concrete for Sump Cover slab								

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
		1	3.70	3.70	0.15	2.05			
	PLINTH BEAM								
	Grid A1C1,A2C2&A3C3	3	7.7	0.20	0.45	2.08			
	Grid A1A2,B1B2&C1C2	3	2.775	0.20	0.45	0.75			
	Grid A2A3,B2B3&C2C3	3	3.63	0.20	0.45	0.98			
	Toilet Concrete	12	1.2	1.20	0.15	2.59			
	Gate Entance	1	4	3.00	0.15	1.80			
	Toilet building surrounding	2	7.4	0.60	0.15	1.33			
		2	7.3	0.45	0.15	0.99			
					Total quantity	**28.00**	**Cum**		
					Qty up to 100% of BOQ	**21.14**	**Cum**	**6589.05**	
					Qty B/N 100 to 125% of BOQ	**26.43**	**Cum**	**6589.05**	**174115.65**
					Qty above 125% of BOQ	**1.58**	**Cum**	**6359.19**	**10021.13**
20	KSRB 4 2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
	Column UP TO ROOF TOP								
	C1	1	0.3	0.45	3.10	0.42			
	C2	8	0.3	0.45	3.10	3.35			
	Through Lintel								
		3	7.4	0.2	0.15	0.67			
		2	5.7	0.2	0.15	0.34			
		3	5.2	0.1	0.15	0.23			
	Cut Lintel	3	0.9	0.1	0.15	0.04			
					Total quantity	**5.05**	**Cum**		
					Qty up to 100% of BOQ	**3.91**	**Cum**	**6589.08**	**25763.19**
					Qty B/N 100 to 125% of BOQ	**0.98**	**Cum**	**6589.05**	**6457.27**
					Qty above 125% of BOQ	**0.16**	**Cum**	**6359.19**	**1017.47**
21	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., for all super structure works with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges)Ready mixed Cement concrete M-25								
	Roof slab								
		1	7.4	7.3	0.15	8.10			
	Beams Longer span	3	7.4	0.2	0.3	1.33			
	Shorter span	3	6.7	0.2	0.3	1.21			
					Total quantity	**10.64**	**Cum**	**5933.96**	**63143.27**

Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
		L	B	D				
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3								
Mat For Footings								
C1								
12mm dia bars long direction@125c/c	1	16	2.30	36.80	0.888	32.68		
12mm dia bars short direction	1	16	2.30	36.80	0.888	32.68		
C2								
12mm dia bars long direction@125c/c	8	12	1.90	182.40	0.888	161.97		
12mm dia bars short direction	8	12	1.90	182.40	0.888	161.97		
COLUMNS								
Columns up to plinth top From the bottom of Footings including 1mtr lap lenghth								
C1 Column								
16mm dia Bars	1	6	2.70	16.20	1.580	25.6		
8mm stirps@250mm C/C	1	10	1.60	16.00	0.395	6.3		
C2 Column								
16mm dia Bars	8	6	2.70	129.60	1.580	204.8		
8mm stirps@250mm C/C	8	10	1.60	128.00	0.395	50.6		
Mat and Wall For Sump								
16mm dia bars long direction@150c/c	2	25	3.70	185.00	1.580	292.3		
16mm dia bars short direction	2	25	3.70	185.00	1.580	292.3		
Walls								
12mm dia bars long direction@125c/c	2X2	30	1.80	216.00	0.888	191.808		2.00
12mm dia bars short direction	2X2	30	1.80	216.00	0.888	191.808		2.00
Sump								
cover slab double mat								
16mm dia bars long direction@125c/c	2	30	3.85	231.00	1.580	364.98		
16mm dia bars short direction	2	30	3.85	231.00	1.580	364.98		

Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
		L	B	D				
PLINTH BEAM								
PB1								
Grid A1C1,A2C2&A3C3								
16mm Top Bars	3	2	7.70	46.20	1.580	73		
16mm Bottom Bars	3	2	7.70	46.20	1.580	73.00		
2l-8mm Stirups @200mm c/c	3	40	1.25	150.00	0.390	58.50		
PB1								
Grid C1C3,B1B3&A1A3								
16mm Top Bars	3	2	7.70	46.20	1.580	73		
16mm Bottom Bars	3	2	7.70	46.20	1.580	73.00		
2l-8mm Stirups @200mm c/c	3	39	1.25	146.25	0.390	57.04		
Columns plinth top to parapet								
C1 Column								
16mm dia Bars	1	6	3.50	21.00	1.580	33.2		
8mm stirps@250mm C/C	1	15	1.60	24.00	0.395	9.5		
C2 Column								
16mm dia Bars	8	6	3.50	168.00	1.580	265.4		
8mm stirps@250mm C/C	8	15	1.60	192.00	0.395	75.8		
PARAPET								
C1 Column								
16mm dia Bars	1	6	1.20	7.20	1.580	11.4		
8mm stirps@250mm C/C	1	15	1.60	24.00	0.395	9.5		
C2 Column								
16mm dia Bars	8	6	1.20	57.60	1.580	91.0		
8mm stirps@250mm C/C	8	15	1.60	192.00	0.395	75.8		
LINTEL								
Long wall								
12mm dia Bars bottom&top	3	4	7.40	88.80	0.888	78.9		
Short wall								
12mm dia Bars bottom& top	2	4	7.30	58.40	0.888	51.9		
8mm stirps@150mm C/C	1	196	0.70	137.20	0.395	54.2		
Toilet wall								
12mm dia Bars bottom&top	3	4	5.60	67.20	0.888	59.7		
	11	4	1.20	52.80	0.888	46.9		
8mm stirps@150mm C/C	1	112	0.50	56.00	0.395	22.1		
Roof and Beams								
B1 Beam								
20mm dia Bars bottom	1	2	7.70	15.40	2.460	37.9		
20mm dia Bars bottom	1	2	4.00	8.00	2.460	19.7		

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	16mm dia Bars top	1	2	7.70	15.40	1.580	24.3		
	16mm dia Bars	1	2	2.80	5.60	1.580	8.9		
	8mm stirps@150mm C/C	1	45	1.30	58.50	0.395	23.1		
	B2 Beam								
	20mm dia Bars bottom	2	2	7.70	30.80	2.460	75.8		
	20mm dia Bars bottom	2	2	4.00	16.00	2.460	39.4		
	16mm dia Bars top	2	2	7.70	30.80	1.580	48.7		
	16mm dia Bars	2	2	2.80	11.20	1.580	17.7		
	8mm stirps@150mm C/C	2	45	1.30	117.00	0.395	46.2		
	B3 Beam								
	20mm dia Bars bottom	3	2	7.60	45.60	2.460	112.2		
	20mm dia Bars top	3	2	7.60	45.60	2.460	112.2		
	8mm stirps@150mm C/C	3	44	1.00	132.00	0.395	52.1		
	Slab Details								
	Grid 1-2	1	60	3.50	210.00	0.395	83.0		
	Grid 1-2	1	15	7.40	111.00	0.395	43.9		
	Grid 2-3	1	60	3.80	228.00	0.395	90.1		
		1	12	7.40	88.80	0.395	35.1		
	Extra bars	1	60	2.15	129.00	0.617	79.6		
		1	60	2.15	129.00	0.617	79.6		
	Compound plinth								
	16mm dia Bars bottom	2	2	60.00	240.00	1.580	379.2		
	16mm dia Bars bottom	2	2	60.00	240.00	1.580	379.2		
	Stirups @200mm c/c	2	300	0.60	360.00	0.395	142.2		
						Total	5597.3	Kg	
						Total	**5.6**	**Tonne**	
						Total quantity	**5.6**	**77352.94**	**432965.75**
23	KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 do - with solid concrete blocks of size 400x200x200mm								
	Long wall	3	6.05		2.55	46.3			
	Short wall	2	6.4		2.55	32.6			
	Compound all	1	10.2		2.00	20.4			
	Compound wall rise	1	25.8		0.65	16.8			
	Deductions								

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Rough Lintel	-3	6.05		0.15	-2.7			
		-2	6.4		0.15	-1.9			
	Door	-2	0.9		2.1	-3.8			
	Ventilators	-9	0.6		0.8	-4.1			
	Compound gate	-1	4		1.8	-7.2			
	Projection wall	1	1.2		2.4	2.9			
		2	2		2.4	9.6			
					Total	**108.9**	**Sqm**	**994.08**	**108255.31**
24	KSRB 5-15: Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572 2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4								
	Gents Toilet	1	5.2		2.85	14.8			
	Doors	-4	0.75		1.8	-5.4			
	Cut Lintel	-4	0.9		0.15	-0.5			
		4	1.2		2.85	13.7			
	Ladies Toilet	2	5.2		2.85	29.6			
		-8	0.75		1.8	-10.8			
		-8	0.9		0.15	-1.1			
		8	1.2		2.85	27.4			
					Total	**67.7**	**Sqm**	**883.99**	**59828.44**
25	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.KSRB15-3.8 : – do – cement 1:4								
	Long wall	2	7.4		3.00	44.4			
	Short wall	2	7.3		3.00	43.8			
	Compound all	2	10.2		2.00	40.8			
	Compound wall rise	2	25.8		2.00	103.2			
		3	11.65		2.00	69.9			
	Deductions	-3	6.05		0.15	-2.7			
	Door	-2	0.9		2.1	-3.8			
	Ventilators	-9	0.6		0.75	-4.1			
	Compound gate	-1	4		1.8	-7.2			
	Projection wall	1	1.2		2.4	2.9			
		1	2		2.4	4.8			
					Total	**292.0**	**Sqm**		
					Qty up to 100% of BOQ	**264.22**	**Sqm**	**284.49**	**75167.95**
					Qty B/N 100 to 125% of BOQ	**27.78**	**Sqm**	**284.49**	**7903.13**
26	KSRB 15.3 : Providing 12mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.KSRB15-3.2 : – do – cement mortar 1:4								
	Long wall Gents toilet	2	7		0.90	12.6			
	Short wall	2	2.67		0.90	4.8			
	Door	-1	0.9		2.10	-1.9			
	Ladies toilet Long wal	2	7		0.90	12.6			
	Ladies toilet short wal	2	3.8		0.90	6.8			

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Door	-1	0.9		2.1	-1.9			
		1	2		2.4	4.8			
					Total	37.9	Sqm		
					Qty up to 100% of BOQ	13.14	Sqm	222.36	2921.81
					Qty B/N 100 to 125% of BOQ	3.28	Sqm	222.36	729.34
					Qty above 125% of BOQ	21.48	Sqm	246.18	5288.02
27	KSRB 15.3 : Providing 12mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.KSRB15-3.2 : – do – cement mortar 1:4								
	Ceiling plastering								
	Gents toilet	1	7	2.925		20.5			
	Ladies toilet	1	7	3.8		26.6			
	Beams	2	7.3	0.3		4.4			
					Total	51.5	Sqm	222.36	11451.54
28	KSRB15-5 : Providing rough cement plastering 15mm thick in single coat with cement mortar to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KSRB15-5.1 : – do – cement mortar 1:4								
	Gents Toilet								
	Long Wall	2	7		2.10	29.4			
	Short wall	2	7		2.10	29.4			
	Passage wall	1	5.2		2.10	10.9			
	Toilet wall	4	1.2		2.10	10.1			
	Toilet wall	4	0.45		2.10	3.8			
	Doors	-4	0.75		1.80	-5.4			
	Ladies Toilet								
	Long Wall	2	7		2.10	29.4			
	Short wall	2	7		2.10	29.4			
	Passage wall	2	5.2		2.10	21.8			
	Toilet wall	8	1.2		2.10	20.2			
	Toilet wall	8	0.45		2.10	7.6			
	Doors	-8	0.75		1.80	-10.8			
					Total	175.7	Sqm	240.89	42324.37
29	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.(a) 100% for fresh surface								
	Internal Plastering								
	Long wall Gents toilet	2	7		0.90	12.6			
	Short wall	2	2.67		0.90	4.8			
	Door	-1	0.9		2.10	-1.9			
	Ladies toilet Long wal	2	7		0.90	12.6			
	Ladies toilet short wal	2	3.8		0.90	6.8			
	Door	-1	0.9		2.1	-1.9			
		1	2		2.4	4.8			
	Ceiling plastering								
	Gents toilet	1	7	2.925		20.5			

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	dies toilet	1	7	3.8		26.6			
	Beams	2	7.3	0.3		4.4			
					Total	89.3	Sqm		
					Qty up to 100% of BOQ	66.10	Sqm	34.88	2305.57
					Qty B/N 100 to 125% of BOQ	16.53	Sqm	34.88	576.39
					Qty above 125% of BOQ	6.70	Sqm	85.34	571.46
30	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. do- with primer								
	Internal Plastering								
	Long wall Gents toilet	2	7		0.90	12.6			
	Short wall	2	2.67		0.90	4.8			
	Door	-1	0.9		2.10	-1.9			
	Ladies toilet Long wal	2	7		0.90	12.6			
	Ladies toilet short wal	2	3.8		0.90	6.8			
	Door	-1	0.9		2.1	-1.9			
		1	2		2.4	4.8			
	Ceiling plastering								
	Gents toilet	1	7	2.925		20.5			
	Ladies toilet	1	7	3.8		26.6			
	Beams	2	7.3	0.3		4.4			
					Total	89.3	Sqm		
					Qty up to 100% of BOQ	52.96	Sqm	98.10	5195.38
					Qty B/N 100 to 125% of BOQ	13.24	Sqm	98.10	1298.84
					Qty above 125% of BOQ	23.10	Sqm	98.47	2274.73
31	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. do- with primer								
	Long wall	2	7.4		3.00	44.4			
	Short wall	2	7.3		3.00	43.8			
	Compound all	2	10.2		2.00	40.8			
	Compound wall rise	2	25.8		2.00	103.2			
		3	11.65		2.00	69.9			
	Deductions	-3	6.05		0.15	-2.7			
	Door	-2	0.9		2.1	-3.8			
	Ventilators	-9	0.6		0.75	-4.1			
	Compound gate	-1	4		1.8	-7.2			
	Projection wall	1	1.2		2.4	2.9			
		1	2		2.4	4.8			
					Total	292.0	Sqm		
					Qty up to 100% of BOQ	264.22	Sqm	111.18	29375.98
					Qty B/N 100 to 125% of BOQ	27.78	Sqm	111.18	3088.58

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping, under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt), including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4								
	Gents toilet	1	1.8	5.2		9.4			
	Passage	1	1.8	1.86		3.3			
	Toilets	4	1.2	1.2		5.8			
	Ladies toilet	1	1.8	3.6		6.5			
	Passage	1	1.2	5.2		6.2			
	Toilets	8	1.2	1.2		11.5			
	Entrance	1	2	1.2		2.4			
					Total	**45.1**	**Sqm**	**687.79**	**31019.33**
33	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification.								
	Gents toilet	1	7	1.6		11.2			
	Passage	1	1.8	1.3		2.3			

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	s toilet	1	7	1.2		8.4			
	sage	1	2.6	1.8		4.7			
	oilets	1	2	1.2		2.4			
					Total	29.0	Sqm	1239.33	35940.57
34	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS do_ for Ceramic Tiles of size 30x30cms 6mm thick								
	Gents toilet	4	1.2	1.2		5.8			
	Ladies toilet	8	1.2	1.2		11.5			
					Total	17.28	Sqm	1318.90	22790.59
35	KSRB 14-17.2 : Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No KBS 14.16, 14.17 Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms								
	Gents toilet								
	Long wall	2	7		2.10	29.4			
	Shortwall	2	2.9		2.10	12.2			
	Toilet wall	4	4.8		2.10	40.3			
	Ladies toilet								
	Long wall	2	7		2.10	29.4			
	Shortwall	2	2.9		2.10	12.2			
	Toilet wall	8	4.8		2.10	80.6			
	Entrance	1	1.2		2.10	2.5			
		1	2		2.10	4.2			
	Deduction Doors	-2	0.9		2.10	-3.8			
		-12	0.75		2.10	-18.9			
					Total	188.16	Sqm	1778.88	334714.06
36	KSRB 9-27 : Fixing of frames in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. KSRB 9-27.1 : – do – Fixing of door frame								
	DOORS	2				2.0			
					Total	2.0	Nos	1487.85	2975.70
37	KSRB 9.4-1 : Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications.Specification No. KBS 9.33 KSRB 9.4-2 : – do – Honne wood frames								
	DOORS	2	6	0.075	0.10	0.09			
					Total	0.09	Cum	95488.36	8593.95

	Description of work	No	Dimensions L	B	D	Total Quantity	Unit	Approved Rate	Amount
	KSRB 9.5 : Providing and fixing in position fully panelled wood shutters for doors, with styles and rails of mm. thick with bottom and lock rails180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 KSRB 9.5-2 : – do – Honne wood								
	DOORS	2	0.9		2.10	3.78			
					Total	3.78	Sqm	5146.98	19455.58
	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM), U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame.								
	DOORS	12	5.7			68.40			
					Total	68.40	Mtr	490.50	33550.20
	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.								
	DOORS	12	0.75		2.10	18.90			
					Total	18.90	Sqm	4142.00	78283.80
41	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications								
	DOORS	2	6		0.10	1.20			
		4	6	0.075		1.80			
					Total	3.00	Sqm	97.01	291.03
42	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size –								
	V	9	0.6		0.75	4.05			
					Total	4.05	Sqm	4248.82	17207.72

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications.Specification No. KBS 7.12								
	V	12			9.45	113.40			
			(0.6*0.75*21kg/sqm = 9.45kg)						
					Total	113.40	Kg	103.55	11742.57
44	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.								
	V	12	0.6		0.75	5.40	Sqm		
					Total	5.40	Sqm	105.73	570.94
45	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @ 0.50kg/sqm on the whole surface, including all labour charges tools and equipments,								
	Terrace Area	1	7.3	7.3		53.29			
	Sump bottom slab	1	3.7	3.7		13.69			
	Sump walls	2	3.7	1.6		11.84			
		2	3.7	1.6		11.84			
	Cover slab	1	3.7	3.7		13.69			
					Total	104.35	Sqm	573.34	59828.03
46	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305								
	Filling	1	1	1.0	0.15	0.15			
	Gents toilet	1	6.8	2.7	0.60	11.02			
	Ladies Toilet	1	6.8	3.8	0.60	15.50			
	Entrance passage	1	2	1.0	0.60	1.20			
					Total	27.87	Cum	354.25	9872.95
47	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top Neast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification.								
	Gate	1	4		2.00	8.00			
					Total	8.00		3283.08	26264.64

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	SRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6								
	Sump	1	4			4.00			
					Total	4.00	Nos	300.84	1203.36
49	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. 2.1.1 Short point upto 3Mtr from tapping point to out let via switch								
		1	3			3.00			
					Total	3.00	Point	174.40	523.20
50	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. 2.1.2 Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch								
		1	3			3.00			
					Total	3.00	Point	299.75	899.25
51	Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS-2509 with suitable size bends,metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick								
		1	25			25.00			
					Total	25.00	Rmt	70.85	1771.25
52	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20mm dia 2mm thick								
		1	15			15.00			
					Total	15.00	Rmt	57.77	866.55
53	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 25mm dia 2mm thick								
		1	20			20.00			
					Total	20.00	Rmt	58.86	1177.20
54	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way								
		1	34			34.00			
					Total	34.00		41.42	1408.28
55	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5Way								
		1	34			34.00			
					Total	34.00	Each	56.68	1927.12

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Supplying 6A flush type socket and 6 amps flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required as per IS 1293 and IS 3654 6Amps 3/5 Way								
		1	52			52.00			
					Total	52.00	Nos	77.39	4024.28
57	Supplying and mounting 2 Nos. of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounted wooden box and wiring as per IS 1293								
		1	25			25.00			
					Total	25.00	Each	239.80	5995.00
58	Supplying and fixing of bakelite D.P /SOCKET/SWITCH with /without neon indicator over existing wood board or flush mounting in plastic plates /nitches as per is1293 16AMPS Cobined switch and socket								
		1	4			4.00			
					Total	4.00	Nos	359.70	1438.80
59	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 sqmm								
		1	231.2			231.20			
					Total	231.20	Rmt	125.35	28980.92
60	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 2.5 sqmm								
		1	221.2			221.20			
					Total	221.20	Rmt	132.98	29415.18
61	Supplying And Fixing Metal Fan Box with Round Hook.								
		1	5			5.00			
					Total	5.00	Each	370.60	1853.00
62	Supplying and fixing regular MCB distribution boards on wall/ wood board / flush mounting using required clamps, bolts,nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure. 12Way SP &N								
		1	2			2.00			
					Total	2.00	Nos	261.60	523.20
63	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 6-32 Amps DP								
		1	2			2.00			
					Total	2.00	Nos	206.01	412.02
64	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia								
		1	1			1.00			
					Total	1.00	Nos	168.95	168.95
65	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.								

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
		1	50			50.00			
					Total	50.00	Mtr	70.85	3542.50
	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate Non 230V 50Hz, Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.								
		1	2			2.00			
					Total	2.00	Each	981.00	1962.00
	Supplying and fixing of slim box fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Flouresent Tube. 1 x 4' Tube light fitting.								
		1	54			54.00			
					Total	54.00	Nos	239.80	12949.20
	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.								
		1	22			22.00			
					Total	22.00	Each	1962.00	43164.00
	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11								
		1	12			12.00			
					Total	12.00	Each	5402.04	64824.48
70	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11								
		1	7			7.00			
					Total	7.00	Unit	3432.41	24026.87
71	KSRB 11-9.2 : Providing and fixing white vitreous china clay, flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps, C.I. trap with outlet grating and other couplings in C.P brass painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11								
		1	7			7.00			
					Total	7.00	Unit	11973.65	83815.55
72	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.								
		1	2			2.00			
					Total	2.00	Unit	1238.24	2476.48
73	KSRB 11-17-1 : Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications								
		1	6			6.00			
					Total	6.00	Unit	734.66	4407.96

	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.								
		1	26			26.00			
					Total	26.00	Each	163.50	4251.00
	KSRB13-9 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.KSRB 13-8.9 : -do- 110mm								
		1	25			25.00			
					Total	25.00	Mtr	542.82	13570.50
	KSRB13-9 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.KSRB 13-8.9 : -do- 160mm								
		1	35			35.00			
					Total	35.00	Mtr	683.43	23920.05
7	KSRB 12-8.1 : Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.– do – 600x600mm and 450mm depth (clear inside dimension) forsingle pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm								
		1	3			3.00			
					Total	3.00	Nos	9254.10	27762.30
78	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) ,Specification No.KBS 13.22								
		1	2			2.00			
					Total	2.00	Each	2180.00	4360.00
79	KSRB13-6.1 : Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications do - 20 mm dia nominal bore								
		1	25			25.00			
					Total	25.00	Each	196.20	4905.00
80	KSRB13-6.2 : Providing and fixing in position brass stop cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications do - 20 mm dia nominal bore								
		1	15			15.00			
					Total	15.00	Each	163.50	2452.50
81	KSRB13-6.3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality(screwed end) nominal bore includingcost of all materials, labour and HOM with all leads complete as perspecifications. 20 mm dia nominal bore								
		1	2			2.00			
					Total	2.00	Each	926.50	1853.00

Sl no.	Description of work	No	Dimensions			Total Quantity	Unit	Approved Rate	Amount
			L	B	D				
82	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD pipes								
		1	45			45.00			
					Total	45.00	Mtr	239.80	10791.00
83	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls) 25mm nominal OD pipes								
		1	35			35.00			
					Total	35.00	Mtr	261.60	9156.00
								Total	4422221.48
								GST@12%	530666.58
								Miscellaneous and rounding off	1162.94
								Grand Total	4954051.00

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yhk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

Executive Engineer

Technical Sanction
Accorded For Rs 4954051/-
Head of A/C...23&53...
CER NO :...11..... Dt:06.06.2022